Paper Trade Journal Index to Feature Articles

Volume 168 January-December 1984

Business, Management, Economics

Arata, Steve, *Focus: South*, 168:13 (July) pg. 36.
Brown, Howard B., *How To Develop A Hazard Communication Program That Meets OSHA Regulations*, 168:17 (November), pg 58.
Brusslan, Carol, *Hammermill Finances Cogeneration Project with Lease-Back Plan*, 168:5 (March 15), pg 27.
Brusslan, Carol, *Sports and Politics Help Tighten Coated Groundwood Market*, 168:5 (March 15), pg 32.
Brusslan, Carol, *Environmental Projects Top $242 Million in '84*, 168:7 (April 15), pg 28.
Brusslan, Carol, *Paper Trade Journal's Top 50 Papermakers*,168:12 (June 30), pg 40.
Brusslan, Carol, *Who's Who in North American Papermaking*, 168:12 (June 30), pg 42.
Brusslan, Carol, *Paper Grocery Sack Becomes Media Star*, 168:12 (June 30), pg 28.
Brusslan, Carol, *Mead Executive Tells Purchasing Managers Paper Will Be Tight*, 168:12 (June 30), pg 30.
Brusslan, Carol, *PTJ's 1983 Top 50 Survey Signals Better Days Ahead*, 168:12 (June 30), pg 38.
Brusslan, Carol, *Paper Firms Create Takeover Defenses*, 168:17 (November), pg 28.
Burger, Frank P., *Employee Assistance Programs Help Both Labor and Management*, 168:14 (August), pg 50.
Clephane, Thomas P., *Paper Stock Performance In 1983 Doubles Average*, 168:12 (June 30), pg 60.
Flynn, Jeremiah E., *API Says Paper, Paperboard Capacity Will Grow 1.5% a Year From '84 to '86*, 168:1 (January 15), pg 34.
Kilroy, Raymond J., *1983 Is Year Forest Products Began Rebound*, 168:12 (June 30), pg 64.
Koncel, Jerome A., *Pulp, Paper Companies on the Rebound from 1982 Recession*, 168:5 (March 15), pg 22.
Koncel, Jerome A., *B.C. Lockout Tied to Recession, Power Struggle*, 168:5 (March 15), pg 35.
Koncel, Jerome A., *International Outlook: Output Up for 1984, but Slow Growth Trend Projected*, 168:18 (December), pg 43.
Koncel, Jerome A., *Pulp and Paper Companies Show Impressive Results for the First Quarter*, 168:12 (June 30), pg 12.
Koncel, Jerome A., *Second Quarter Sales and Earnings Soar*, 168:15 (September), pg 40.
Koncel, Jerome A., *Diversification and Maturity Are Major Characteristics of Midwest Paper Industry*, 168:17 (November), pg 32.
Koncel, Jerome A., *Third Quarter Results Indicate only Slight Slowing of Economic Growth*, 168:18 (December), pg 31.
Koncel, Jerome A., *PTJ's Papermaker of the Year: Hahn Guides G-P's Growth in the Pulp and Paper Business*, 168:18 (December), pg 34.
Piquette, Edward J., *Planning Ahead Assures Successful Industrial Training*, 168:16 (October), pg 45.
Pujol, John B., *Technology and People Can Coexist)*, 168:8 (April 30), pg 19.
Smith, H.C. Bowen, *Do You Know Where Your Fiber Is?*, 168:13 (July), pg 50.
Wuerl, Peter, *North American Pulp and Paper Companies Look to Strengthening Recovery in 1984*,168:1 (January 15), pg 23.
Wuerl, Peter, *Canadian Producers Hit Hard in 1983; Slow Upturn Seen in 1984*, 168:1 (January 15), pg 32.
Wuerl, Peter, *Production of Paper and Paperboard in 1983 Hits Highest Level Ever, Says API*, 168:3 (February 15), pg 25.
Wuerl, Peter, *After Lackluster 1983 for Market Pulp, Positive Signs Are Fueling Optimism*, 168:5 (March 15), pg 30.
Wuerl, Peter, *CPPA Says Canada's Pulp and Paper Shipments May Rise 8% in 1984*, 168:5 (March 15), pg 39.
Wuerl, Peter, *API Paper Week Focuses on Outlook for Energy, Pulp and Newsprint*, 168:8 (April 30), pg 26.
Wuerl, Peter, *Leaf River Poised for Start-Up*, 168:13 (July), pg 44.
Wuerl, Peter,*PTJ Profile: Boise Cascade Resident Manager James Huff Stresses Teamwork and Communication*, 168:17 (November), pg 50.

Chemicals

PTJ Staff Report, *A Small Mill Finds a Niche with Specialty Grades, Unique Products*, 168:6 (March 30), pg 21.
Wuerl, Peter, *Focus on Polyvinyl Alcohol and How It is Used at the Newton Falls, NY Paper Mill*, 168:10 (May 30), pg 30.
Wuerl, Peter, *Chemical Use Up as Pulp & Paper Industry Production Continues to Escalate*, 168:14 (August), pg 38.

Coating

Akesson, Rolf and Klass, Charles P., *Installation of Billblade Coater Can Improve Quality, Reduce Unit Cost of Existing Grades*, 168:9 (May 15), pg 32.
Creak, John, *Papyrus's Molndal Mill Manufactures a Variety of Coated Papers*, 168:9 (May 15), pg 32.
Kilgore, Bernard, *Energy Efficient Spray Tower Boosts Capacity at Clay Plant*, 168:6, pg 27.
Lepoutre, P., *New Concepts Change Traditional Ideas of Coating Process*, 168:15 (September), pg 87.
Wuerl, Peter, *Coating Pioneer Charles Cairns Gets TAPPI Distinguished Service Award*, 168:8 (April 30), pg 30.
Wuerl, Peter, *Papermakers vs. Printers: Fighting the Battle Over Coated Paper Quality*, 168:14 (August), pg 62.

Conferences

API Paper Week, March 11-18, 1984, 168:8 (April 30), pg 18.
Brusslan, Carol, *Mead Executive Tells Purchasing Managers Paper Will Be Tight*, 168:12 (June 30), pg 30.
Brusslan, Carol, *EPA Beefs Up Regional Office Enforcement Staffs*, 168:13 (July), pg 30.
Brusslan, Carol, *Will Stepped Up Enforcement Affect Paper Companies?*, 168:14 (August), pg 54.
Koncel, Jerome A., *JPA-API Conference Meets in Tokyo*, 168:7 (April 15), pg 20.
Miller, Merwin L., *Miami U. Symposium Focuses on Paper Quality*, 168:13 (July), pg 34.
Wuerl, Peter, *API Paper Week Focuses on Outlook for Energy, Pulp, and Newsprint*, 168:8 (April 30), pg 26.

Energy

Aario, M., Karna, A., and Reponen, A., *Expansion at Anjala*, 168:9 (May 15), pg 26.
Babington, William, *Cellular Glass Insulation Solves Moisture Problems, Saves Energy*, 168:9 (May 15), pg 37.
Brusslan, Carol, *Hammermill Finances Cogeneration Project with Lease-Back Plan*, 168:5 (March 15), pg 27.
Hatsopoulas, John, *Process Cogeneration Helps Relieve Energy Cost Anxieties*, 168:6 (March 30), pg 25.
Higham, John, *Using Infrared Energy to Control Moisture Profile*, 168:6 (March 30), pg 28.
Kauppi, P.K., Ismail, A.S., Schwalbe, H.C., and Lanier, W.G., *Pilot Trials Reveal Lower Energy Pulping Process*, 168:2 (January 30), pg 46.
Kauppi, P.K. and Ismail, A.S., *Low Ener-*

gy Pulping Process Cuts Small Mill Costs, 168:11 (June 15), pg 35.
Kilgore, Bernard, *Energy Efficient Spray Tower Boosts Capacity at Clay Plant*, 168:6 (March 30), pg 27.
Koncel, Jerome A., *Boise Cascade Achieves Energy Goal Eighteen Months Ahead of Schedule*, 168:3 (February 15), pg 27.
Koncel, Jerome A., *Pulp and Paper Mills Are at Crossroads of Energy Management*, 168:3 (February 15), pg 20.
Koncel, Jerome A., *St. Anne-Nackawic Moves Toward Goal of Energy Self-Sufficiency*, 168:3 (February 15), pg 36.
Koncel, Jerome A., *Kamloops Pulp Mill Reduces Energy Costs by 25% in 1983*, 168:3 (February 15), pg 21.
Mannisto, Heikki I., *Against the Odds, Finnish Paper Companies Keep Rein on Energy Costs*, 168:3 (February 15), pg 29.
Mortimer, W.E., *Cost Savings Accrue from Energy Efficient Air Systems*, 168:15 (September), pg 59.
Nasman, Lars E. and Sjordin, Lars T., *Batch Cooking System Helps Steam Use, Pulp Strength*, 168:15 (September), pg 78.
PTJ Staff Report, *Research and Development Divisions are Valuable Tools in Energy Battle*, 168:3 (February 15), pg 37.
PTJ Staff Report, *Simpson Paper Co.'s Shasta Mill Uses "Jet Engine" for Cogeneration*, 168:3 (February 15), pg 24.
Spearin, Walter E., *U.S. Pulp and Paper Managers Pursue Energy Conservation*, 168:3 (February 15), pg 22.

Engineering, Maintenance

Babington, William, *Cellular Glass Insulation Solves Moisture Problems, Saves Energy*, 168:9 (May 15), pg 37.
Bridges, William S., *Madison Paper Industries Mixes European And U.S. Equipment*, 168:18 (December), pg 48.
Brusslan, Carol, *Better Maintenance Reflected in Northwood's Mirror-Image Expansion*, 168:2 (January 30), pg 39.
Brusslan, Carol, *For Weyerhaeuser Workers, Maintenance is Serious Business*, 168:2 (January 30), pg 34.
George, Dick, *Understanding Corrosion Problems Can Help Save "Homemade" Bearings*, 168:15 (September), pg 96.
Haus, Herbert F., *Mills Choose Third Party Option to Keep Process Controls in Tune*, 168:2 (January 30), pg 45.
Hilli, H. and Flanary, K., *Paper Industry is Headed Toward In-House Upkeep of Process Systems*, 168:9 (May 15), pg 38.
Koncel, Jerome A., *Vapor Adsorbers Protect Instrument and Electrical Control Rooms*, 168:8 (April 30), pg 28.
Nadin, Harry, *Process Control Diagnostics Can Hold Down Maintenance Costs*, 168:2 (January 30), pg 44.
Pluhar, Kenneth, *In-House Electronic Maintenance Program Started by Midtec*, 168:2 (January 30), pg 42.
Pluhar, Kenneth, *Midtec's Self-Maintenance Program Brings Immediate Cost Savings*, 168:3 (February 15), pg 28.
Rambie, Dominique, *How to Minimize Mill Corrosion Problems Associated with Fresh Water Systems*, 168:18 (December), pg 49.

Environmental Protection

Arata, Steve, *Great Northern Designs its Own Computer System for Power Control*, 168:10 (May 30), pg 28.
Brusslan, Carol, *Environmental Projects Top $242 Million in '84*, 168:7 (April 15), pg 28.
Brusslan, Carol, *Tommorrow's Rules Help Shape Environmental Systems Today*, 168:7 (April 15), pg 41.
Brusslan, Carol, *Will Stepped Up Enforcement Affect Paper Companies?*, 168:14 (August), pg 54.
Brusslan, Carol, *Winning Project Cuts Scott's Disposal Cost*, 168:14 (August), pg 59.
Derleth, Lee, *Deciphering the Code: How Federal Effluent Guidelines Affect The Pulp and Paper Industry*, 168:10 (May 30), pg 20.
Nicks, Dennis and Dillard, Diane, *Many Firsts Mark New Boise Cascade Landfill), 168:11 (June 15), pg 40.*
Johnson, Ralph K., Electronic Records Prove Mill is Controlling Effluent, 168:7 (April 15), pg 39.
Sebbas, Eva, *Mills in Finland Take Future Laws into Account*, 168:7 (April 15), pg 42.
Tomlinson, J.H., Noland, J.W., and Barone, J.B., *Can Tall Stacks Equal Scrubbers in Controlling Sulfur Dioxide Emissions?*, 168:7 (April 15), pg 34.
Walters, Jack G., *Accelator Treats Process Water at Leaf River Pulp Mill*, 168:10 (May 30), pg 26.

Expansions, Modernizations

Aario, M., Karna, A., and Reponen, P., *Expansion at Anjala*, 168:9 (May 15), pg 26.
Evans, Robert, *Color Controller Gives New Life to An Old Mill*, 168:3 (February 29), pg 30.
Koncel, Jerome A., *Bowater Southern Installs Bel-Roll Former on No. 4 Paper Machine*, 168:2 (January 30), pg 56.
Koncel, Jerome A., *MacMillan Bloedel Makes Wise Choice With $220 Million Expansion at Pine Hill*, 168:15 (September), pg 44.
Rethwisch, Bill, *Press Rebuilds at Consolidated Revitalize Two Paper Machines*, 168:3 (February 15), pg 34.
Wuerl, Peter, *Augusta Newsprint Completes Phase 1 of $240 Million Expansion*, 168:3 (February 29), pg 34.
Wuerl, Peter, *Leaf River Poised for Start-Up*, 168:13 (July), pg 44.
Wuerl, Peter, *CZ Completes $425 Million Modernization at Camas, Adds 160,000 tpy of Business Papers*, 168:16 (October), pg 32.

Finishing, Converting

Brusslan, Carol, *Wisconsin Tissue's Storage/Retrieval System Handles Its Products with Care*, 168:2 (January 30), pg 53.
Iris, Lonnie, *A Safer Way to Load Paper on Trucks*, 168:15 (September), pg 95.
Johnson, Ted, *Operators Make Final Quality Control Decisions on CZ's Supercalenders*, 168:16 (October), pg 40.
Komulainen, Pekka, *Modern Equipment Improves Winder Capacity and Roll Quality*, 168:15 (September), pg 91.
Kroeschell, William O., *Test Program Will Evaluate Alternate Construction Boxes*, 168:17 (November), pg 52.
Robinson, William A., *Madison Paper Computerizes Production Management*, 168:6 (March 30), pg 23.

Forestry, Wood Handling

Automated Woodyard Moves A Step Closer to Becoming Reality, 168:17 (November), pg 38.
Jagerlund, Ronald, *More Efficient Firing of Wet Bark is Possible*, 168:16 (October), pg 42.
Niiranen, Matti, *How To Solve the Wood-Handling Problems of the '80s*, 168:17 (November), pg 40.
Wuerl, Peter, *CZ Completes $425 Million Modernization at Camas, Adds 166,000 tpy of Business Papers*, 168:16 (October), pg 32.

General

Close to a Thousand Fight Flames, Remove Debris in IP's Georgetown Fire, 168:2 (January 30), pg 22.
Griffith, Roger L., *TVA Researchers Make Ethanol from Wood*, 168:15 (September), pg 98.

Government, Legislation

Arata, Steve, *Court Denies Stay on Boxcar Deregulation*, 168:3 (February 15), pg 18.
Brusslan, Carol, *EPA Beefs up Regional Office Enforcement Staffs*, 168:13 (July), pg 30.
Brusslan, Carol, *Will Stepped Up Enforcement Affect Paper Companies?*, 168:14, pg. 54.
Brusslan, Carol, *PACS Help Paper Com-*

panies Take Political Stand, 168:16 (October), pg 50.
Derleth, Lee, *Deciphering the Code: How Federal Guidelines Affect the Pulp and Paper Industry,* 168:10 (May 30), pg 20.

Paper, Board Manufacturing

Aario, M., Karna, A., and Reponen, P., *Expansion at Anjala,* 168:9 (May 15), pg 26.
Evans, Robert, *Color Controller Gives New Life to an Old Mill,* 168:3 (February 29), pg 30.
Fekete, Eugene Z., *Pilot Paper Machine Available for R & D,* 168:4 (February 29), pg 52.
Fredel, Walter, *Synthetic Lubricants Help Mosinee Paper Overcome Temperature Problems and Save Money,* 168:18 (December), pg 56.
Gibson, Kenneth, *Weyerhaeuser Sets Production Records with New Cross-Machine Control Module,* 168:5 (March 15), pg 42.
Ibrahim, Ahmed A., *How to Obtain Maximum Benefits in Cross-Machine Control with No Capital Investment,* 168:5 (March 15), pg 47.
Johansson, Bertil, *Case Study: Serpentine Wire Removes Bottleneck,* 168:8 (April 30), pg 23.
Johansson, Kenth, *Hylte Bruks AB Has Six Months Experience With A Valmet Symformer R,* 168:15 (September), pg 53.
Kallmes, O.J., *CD Variations May Be Caused by Fourdrinier Forming Elements,* 168:10 (May 30), pg 32.
Kauppi, P.K., Ismail, A.S., Schwalbe, H.C., Gale, B.B., and Lanier, W.G., *NSCMP Furnish Provides "Good" Characteristics in Machine Trials,* 168:5 (March 15), pg 36.
Koncel, Jerome A., *Bowater Southern Installs Bel-Roll Former on No. 4 Paper Machine,* 168:2 (January 30), pg 56.
Landmark, P. and Joensberg, C., *Development of an On-Line Formation Tester to Determine Optimal Use of Retention Aids,* 168:15 (September), pg 84.
Ormerod, David L., *Fines Management Is A Papermaking Necessity,* 168:5 (March 15), pg 45.
PTJ Staff Report, *A Small Mill Finds a Niche with Specialty Grades, Unique Products,* 168:6 (March 30), pg 21.
Roth, Reinhold C., *Electromagnetic Radiation for Cross-Direction Moisture Control,* 168:15 (September), pg 65.
Rethwisch, Bill, *Press Rebuilds at Consolidated Revitalize Two Paper Machines,* 168:3 (February 15), pg 34.
Wuerl, Peter, *Augusta Newsprint Completes Phase 1 of $240 Million Project,* 168:3 (February 29), pg 34.
Wuerl, Peter, *CZ Completes $425 Million Modernization at Camas, Adds 160,000 tpy of Business Papers,* 168:16 (October), pg 32.

Process Control

Arata, Steve, *Great Northern Designs Its Own System for Power Control,* 168:10 (May 30), pg 28.
Bingham Jr., Richard S., *Understanding Computers-The First Step in Making Them Work For You,* 168:11 (June 15), pg 24.
Bingham, Jr., Richard S., *How Software Puts Hardware to Work,* 168:16 (October), pg 53.
Bouchillon, Charles W., and Franko, Andrew, *Computer Modeling Improves The Design of Hydrocyclones for Pulp Cleaning, Part I,* 168:17 (November), pg 54.
Bouchillon, Charles W. and Franko, Andrew, *Computer Modeling Improves The Design of Hydrocyclones for Pulp Cleaning, Part II,* 168:18 (December), pg 53.
Dewan, A.K., *Automatic Refiner Controls Provide Accurate Grade Duplication and Uniform Product Quality,* 168:8 (April 30), pg 31.
Evans, Robert, *Color Controller Gives New Life to An Old Mill,* 168:3 (February 29), pg 30.
Gibson, Kenneth, *Weyerhaeuser Sets Production Records with New Cross-Machine Control Module,* 168:5 (March 15), pg 42.
Hatsopoulas, John, *Cogeneration Helps Relieve Energy Cost Anxieties,* 168:6 (March 30), pg 25.
Haus, Herbert F., *Mills Choose Third Party Option to Keep Process Controls in Tune,* 168:45 (January 30), pg 45.
Higham, John, *Using Infrared Energy to Control Moisture Profile,* 168:6 (March 30), pg 28.
Hilli, H. and Flanary, K., *Paper Industry is Headed Toward In-House Upkeep of Process Systems,* 168:9 (May 15), pg 38.
Johnson, Ralph K., *Electronic Records Prove Mill Is Controlling Effluent,* 168:7 (April 15), pg 39.
Kallmes, O.J., *CD Variations May Be Caused by Fourdrinier Forming Elements,* 168:10 (May 30), pg 32.
Komulainen, Pekka, *Modern Equipment Improves Winder Capacity and Roll Quality,* 168:15 (September), pg 91.
Morley, Richard E., *Control in Automation: Prospects for the Future,* 168:6 (March 30), pg 18.
Nadin, Harry, *Process Control Diagnostics Can Hold Down Maintenance Costs,* 168:2 (January 30), pg 44.
Pluhar, Kenneth, *Instrumentation Paves Way for Quality Gains,* 168:4 (February 29), pg 45.
Pluhar, Kenneth, *Distributed Control Progress Outlined by Process Control Configurations,* 168:6 (March 30), pg 16.
Reitz, Bartley L., *Champion VP Shares Impressions of MIS in the Pulp and Paper Industry,* 168:11 (June 15), pg 28.
Robinson, William A., *Madison Paper Computerizes Production Management,* 168:6 (March 30), pg 23.
Roth, Reinhold C., *Electromagnetic Radiation for Cross-Direction Moisture Control,* 168:15 (September), pg 65.
Smith, Ed, and Putman, Richard E.J., *Computerized Tie-Line Saves Energy Dollars for James River,* 168:18 (December), pg 59.
Smith, Gary, *Process Simulator Provides Hands-On Paper Machine Experience,* 168:4 (February 29), pg 48.
Trapp, Phillip R., *Millwide MIS—Is It An Idea Whose Time has Come?,* 168:11 (June 15), pg 32.
Yaeger, Robert L., *Distributed Digital Control: Lower Costs and Greater Uniformity,* 168:15 (September), pg 73.

Pulping

Aario, M., Karna, A., and Reponen, P., *Expansion at Anjala,* 168:9 (May 15), pg 26.
Bouchillon, Charles W., and Franko, Andrew, *Computer Modeling Improves The Design of Hydrocyclones For Pulp Cleaning, Part I,* 168:17 (November), pg 54.
Bouchillon, Charles W. and Franko, Andrew, *Computer Modeling Improves The Design of Hydrocyclones for Pulp Cleaning, Part II,* 168:18 (December), pg 53.
Kauppi, P.K., Ismail, A.S., Schwalbe, H.C., and Lanier, W.G., *Pilot Trials Reveal Lower Energy Pulping Process,* 168:2 (January 30), pg 46.
Kauppi, P. K., Ismail, A. S., Schwalbe, H. C., Gale, B. G., and Lanier, W. G., *NSCMP Furnish Provides "Good" Characteristics in Machine Trials,* 168:5 (March 15), pg 36.
Kauppi, P.K. and Ismail, A.S., *Low Energy Pulping Process Cuts Small Mill Costs,* 168:11 (June 15), pg 35.
Kauppi, P.K. and Ismail, A.S., *How to Separate and Remove Soap From Black Liquor,* 168:16 (October), pg 38.
Kauppi, P.K., *High-Yield Pulping Brightens Industry's Future,* 168:17 (November), pg 46.
Merrill, B. Leonard, *A Problem-Solving Guide to Common Questions on Pulp Stock Agitators,* 168:11 (June 15), pg 38.
Nasman, Lars E., and Sjodin, Lars T., *Batch Cooking System Helps Steam Use, Pulp Strength,* 168:15 (September), pg 78.
Wuerl, Peter, *CZ Completes $425 Million Modernization at Camas, Adds 160,000 tpy of Business Papers,* 168:16 (October), pg 32.